

# ABSTRACT

The invention relates to an internal combustion engine comprising a crankshaft, a camshaft and an adjusting device, which is used to adjust the phase position of the camshaft in relation to the crankshaft. The phase position is determined in accordance with a detected crankshaft angle and a recorded camshaft angle. A filter coefficient of a filter is determined in accordance with the amplitude of an oscillation of the phase position and the modification of said phase position. A filtered phase position of the determined phase position is calculated using the filter.